

JLC ran after revising the error tolerance for the integration algorithm

TSTOP

Exposure:

Yang et al. 2012 Table 2 Metabolic Params

Female Mouse Initial Params			
ppm	AMP	AMPLU	AMPK
12.3	1.488	0.702	0.0033
32	3.910	1.161	0.0084
80	9.739	1.552	0.0204

Yang et al. 2012 Table 3 Estimated M

Female Mouse Initial Parm		
ppm	AMP	AMPLU
12.3	1.474	0.948
32	3.888	1.571
80	9.582	2.107

Male Mouse Initial Params			
ppm	AMP	AMPLU	AMPK
12.3	1.197	3.794	0.341
32	3.447	6.484	0.478
80	9.295	8.620	0.558

Male Mouse Initial Params		
ppm	AMP	AMPLU
12.3	1.101	5.001
32	3.286	8.565
80	9.093	11.280

Female Rat Initial Params			
ppm	AMP	AMPLU	AMPK
12.3	0.436	0.113	0.074
32	1.142	0.298	0.095
80	2.856	0.751	0.113

Female Rat Initial Params		
ppm	AMP	AMPLU
12.3	0.440	0.099
32	1.149	0.259
80	2.855	0.655

Male Rat Initial Params			
ppm	AMP	AMPLU	AMPK
12.3	0.896	0.215	0.135
32	2.348	0.564	0.181
80	5.880	1.421	0.218

Male Rat Initial Params		
ppm	AMP	AMPLU
12.3	0.906	0.150
32	2.365	0.394
80	5.904	0.991

Human Initial Params			
ppm	AMP	AMPLU	AMPK
12.3	0.253	0.040	0
32	0.658	0.105	0
80	1.645	0.263	0

Human Initial Params		
ppm	AMP	AMPLU
12.3	0.240	0.127
32	0.625	0.331
80	1.562	0.827

Continuous Exposure

Human Params extended con		
ppm	AMP	AMPLU
0.0016	0.0001741	9.2061E-05
0.016	0.0017405	0.00092061
10	1.0878	0.5754
50	5.4374	2.8773
100	10.8708	5.7555
300	32.5317	17.2844
600	63.6504	34.8843

	Human Continuous Exposure	
	Human Parms Continuous	
	PPM	AMU
Yang et al. 2012	Table 2	1 0.115
Yang et al. 2012	Table 3	1 0.109
Fixed Km	Revised	1 0.109

	Human Continuous Exposure	
	Human Parms Continuous	
	PPM	AMU
Yang et al. 2012	Table 2	0.001 1.15E-04
Yang et al. 2012	Table 3	0.001 1.09E-04
Fixed Km	Revised	0.001 1.09E-04

168 hrs
6 hr/day 5 days/week

Metabolic

s	AMPK	0.001063
		0.001578
		0.001958

Fixed Km

Female Mouse InitialParms

ppm	AMP	AMPLU	AMPK
12.3	1.488	0.657	0.003243
32	3.924	0.866	0.004276
80	9.730	1.004	0.004958

AMPK	0.344
	0.455
	0.515

Male Mouse InitialParms

ppm	AMP	AMPLU	AMPK
12.3	1.267	3.036	0.290
32	3.643	4.193	0.416
80	9.606	4.911	0.491

AMPK	0.037
	0.045
	0.053

Female Rat InitialParms

ppm	AMP	AMPLU	AMPK
12.3	0.445	0.031	0.047
32	1.163	0.041	0.062
80	2.882	0.049	0.074

AMPK	0.086
	0.117
	0.142

Male Rat InitialParms

ppm	AMP	AMPLU	AMPK
12.3	0.914	0.048	0.080
32	2.392	0.062	0.105
80	5.978	0.074	0.125

AMPK	0
	0
	0

Human InitialParms

ppm	AMP	AMPLU	AMPK
12.3	0.253	0.039	0
32	0.666	0.055	0
80	1.672	0.078	0

Continuous Exposure

HumanParms extended conc.

ppm	AMP	AMPLU	AMPK
0.0016	0.000174	9.22E-05	0
0.016	0.001741	0.000919	0
10	1.15	0.1636	0
50	5.83	0.2087	0
100	11.68	0.2160	0
300	35.01	0.2212	0
600	67.46	0.2225	0

ure (1 ppm)

: Exposure

AMPLU	AMPK
0.0183	0
0.0575	0
0.0464	0

ure (1 ppb)

: Exposure

AMPLU	AMPK
1.83E-05	0
5.75E-05	0
5.76E-05	0